

# North Sea Configuration

## Assumptions

- Inflow = 600,000 AFY
- Salinity = 30-40 ppt
- Elevation = -235 msl
- Stable freshwater marsh = 10,000 acres
- Freshwater not used to extend shallow saline habitat
- Includes pupfish connectivity and islands/snags

Habitat	Approximate Habitat Quantity <sup>a</sup> (difference from existing)		Water Demand
	Approximate Existing (@1.2 MAFY)	North Sea Configuration (@600,000 AFY)	
<b>Salton Sea</b>			406,000 AFY
Open water	225,800 acres	57,500 acres (-168,300)	
Shoreline/shallow water			
Area <0.5 feet deep	1,100 acres	250 acres (-850)	
Area <3 feet deep	6,200 acres	1,500 acres (-4,700)	
Estuary/delta	1,200,000 AFY inflow	406,000 AFY inflow	
<b>Wetland</b>			
Freshwater marsh <sup>b</sup>	10,500 acres	20,500 acres (+10,000)	50,000 AFY
Shallow saline habitat	0	6,000 acres (+6,000)	
<b>Upland</b>			
Tree/shrub			
Native tree <sup>c</sup>	165 acres	To be determined	
Tamarisk	14,825 acres	No change	
Agriculture	600,000+	No change	
<b>Other Characteristics</b>			
Brine pool	0 acres	29,000 acres	
Exposed seabed (air quality)	0 acres	134,000 acres	134,000 AFY
Water treatment (for freshwater marsh)			10,000 AFY

<sup>a</sup>Does not address habitat quality

<sup>b</sup>Includes managed freshwater marsh on refuges and seasonally flooded duck clubs

<sup>c</sup>Does not include additional native tree habitat that will be created under other known conservation efforts or potentially created under the ecosystem restoration plan

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Habitat	Approximate Habitat Quantity <sup>a</sup> (difference from existing)		Water Demand
	Approximate Existing (@1.2 MAFY)	South Sea Configuration (@600,000 AFY)	
<b>Salton Sea</b>			408,000 AFY
Open water	225,800 acres	53,300 acres (-172,500)	
Shoreline/shallow water			
Area <0.5 feet deep	1,100 acres	700 acres (-400)	
Area <3 feet deep	6,200 acres	4,700 acres (-1,500)	
Estuary/delta	1,200,000 AFY inflow	408,000 AFY inflow	
<b>Wetland</b>			
Freshwater marsh <sup>b</sup>	10,500 acres	20,500 acres (+10,000)	50,000 AFY
Shallow saline habitat	0	6,000 acres (+6,000)	
<b>Upland</b>			
Tree/shrub			
Native tree <sup>c</sup>	165 acres	To be determined	
Tamarisk	14,825 acres	No change	
Agriculture	600,000+	No change	
<b>Other Characteristics</b>			
Brine pool	0 acres	31,000 acres	
Exposed seabed (air quality)	0 acres	132,000 acres	132,000 AFY
Water treatment (for freshwater marsh)			10,000 AFY

<sup>a</sup>Does not address habitat quality

<sup>b</sup>Includes managed freshwater marsh on refuges and seasonally flooded duck clubs

<sup>c</sup>Does not include additional native tree habitat that will be created under other known conservation efforts or potentially created under the ecosystem management plan

# North Sea Combined Configuration

## Assumptions

- Inflow = 600,000 AFY
- Salinity = 30-40 ppt
- Elevation = -235 msl
- Stable freshwater marsh = 10,000 acres
- Freshwater not used to extend shallow saline habitat
- Includes pupfish connectivity and islands/snags

Habitat	Approximate Habitat Quantity <sup>a</sup> (difference from existing)		Water Demand
	Approximate Existing (@1.2 MAFY)	North Sea Combined (@600,000 AFY)	
<b>Salton Sea</b>			400,000 AFY
Open water	225,800 acres	54,500 acres (-171,300)	
Shoreline/shallow water			
Area <0.5 feet deep	1,100 acres	1,300 acres (+200)	
Area <3 feet deep	6,200 acres	8,500 acres (+2,300)	
Estuary/delta	1,200,000 AFY inflow	400,000 AFY inflow	
<b>Wetland</b>			
Freshwater marsh <sup>b</sup>	10,500 acres	20,500 acres (+10,000)	50,000 AFY
Shallow saline habitat	0	6,000 acres (+6,000)	
<b>Upland</b>			
Tree/shrub			
Native tree <sup>c</sup>	165 acres	To be determined	
Tamarisk	14,825 acres	No change	
Agriculture	600,000+	No change	
<b>Other Characteristics</b>			
Brine pool	0 acres	18,000 acres	
Exposed seabed (air quality)	0 acres	140,000 acres	140,000 AFY
Water treatment (for freshwater marsh)			10,000 AFY

<sup>a</sup>Does not address habitat quality

<sup>b</sup>Includes managed freshwater marsh on refuges and seasonally flooded duck clubs

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# South Sea Combined Configuration

## Assumptions

- Inflow = 600,000 AFY
- Salinity = 30-40 ppt
- Elevation = -235 msl
- Stable freshwater marsh = 10,000 acres
- Freshwater not used to extend shallow saline habitat
- Includes pupfish connectivity and islands/snags

Habitat	Approximate Habitat Quantity <sup>a</sup> (difference from existing)		Water Demand
	Approximate Existing (@1.2 MAFY)	South Sea Combined (@600,000 AFY)	
<b>Salton Sea</b>			399,000 AFY
Open water	225,800 acres	55,500 acres (-170,300)	
Shoreline/shallow water			
Area <0.5 feet deep	1,100 acres	1,300 acres (+200)	
Area <3 feet deep	6,200 acres	8,500 acres (+2,300)	
Estuary/delta	1,200,000 AFY inflow	399,000 AFY inflow	
<b>Wetland</b>			
Freshwater marsh <sup>b</sup>	10,500 acres	20,500 acres (+10,000)	50,000 AFY
Shallow saline habitat	0	6,000 acres (+6,000)	
<b>Upland</b>			
Tree/shrub			
Native tree <sup>c</sup>	165 acres	To be determined	
Tamarisk	14,825 acres	No change	
Agriculture	600,000+	No change	
<b>Other Characteristics</b>			
Brine pool	0 acres	17,000 acres	
Exposed seabed (air quality)	0 acres	141,000 acres	134,000 AFY
Water treatment (for freshwater marsh)			10,000 AFY

<sup>a</sup>Does not address habitat quality

<sup>b</sup>Includes managed freshwater marsh on refuges and seasonally flooded duck clubs

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